EU-BOX 200R

EURONET INDOOR BATTERY STORAGE – 200.7kWh

Indoor LFP Battery Cabinet | Data Centre & UPS Backup



RATED ENERGY **200.7 kWh**	RATED VOLTAGE **716.8 V**
RATED CAPACITY **280 Ah**	CELL **LFP 3.2V/280Ah**
PARALLEL CABINETS **Up to 10**	COMMUNICATION **CAN/RS485/ETH**

OVERVIEW

The EURONET EU-BOX 200R is an indoor lithium iron phosphate (LiFePO4) energy storage cabinet for commercial and industrial sites such as data centres and call centres, where it provides reliable power backup during outages. Fourteen 51.2V/280Ah battery packs and a high-voltage control box deliver 200.7kWh at 716.8V rated voltage. A high-precision BMS, LCD touch screen, EPO button and an integrated firefighting system are built in, and up to 10 cabinets can run in parallel for up to 2000kWh.

KEY FEATURES

Modular Indoor Cabinet
High-voltage control box plus 14 battery packs of 51.2V / 280Ah in one 1050 × 1310 × 2340mm cabinet

200.7kWh LFP Storage
716.8V rated (627.2–806.4V) and 280Ah capacity with LiFePO4 cells of 3.2V / 280Ah in 1P16S packs

High-Precision BMS
Battery management unit in every pack, passive balancing in the HV box and SOC accuracy below 5%

Integrated Firefighting
Built-in firefighting system protects equipment in critical rooms such as data centres from fire risk

LCD Touch Screen & EPO
HMI touch screen on the high-voltage box shows the battery status, with LED signals and EPO button

Parallel up to 2000kWh
Up to 10 cabinets in parallel, with CAN, RS485 and ETH ports for seamless integration with inverters

TECHNICAL NOTE

Rated energy 200.7kWh, rated voltage 716.8V (range 627.2–806.4V), 280Ah. 14 × 51.2V/280Ah LFP packs (1P16S, cells 3.2V/280Ah). Recommended charge/discharge 140/140A. Natural cooling, IP20, anticorrosion Standard C2, -20–50°C, 5%–95% R.H. 1050 × 1310 × 2340mm, 2300kg. CAN, RS485, ETH; max. 10 cabinets in parallel. IEC62619, CE, CE-EMC, UN38.3, MSDS.

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EU-BOX 200R

PRODUCT TECHNICAL SPECIFICATIONS

PARAMETER	SPECIFICATIONS
GENERAL	
Model	EU-BOX 200R
Cell Type	LFP (LiFePO4)
Installation	Indoor cabinet
Application	C&I backup · data & call centres
BATTERY SYSTEM	
Rated Energy	200.7 kWh
Rated Voltage	716.8 V
Voltage Range	627.2–806.4 V
Rated Capacity	280 Ah
Battery Packs	14 × 51.2V / 280Ah
Recommended Charge / Discharge	140 / 140 A
Max. Continuous Charge / Discharge	60 / 160 A
Parallel	Max. 10 cabinets · up to 2000kWh
Cycle Life	Not available
BATTERY PACK	
Module Voltage	51.2 V
Rated Capacity	280 Ah
Module Energy	14.336 kWh
Pack Configuration	1P16S
BMU Inside	1 set
Dimensions (W × D × H)	1160 × 780 × 245 mm
Cooling Mode	Air cooling
Power Terminal	Plug-in type
CELL	
Cell Type	LiFePO4, aluminium shell
Rated	3.2V / 280Ah
Operating Voltage	2.8–3.6V
Dimensions (T × W × H)	47.8 × 173.9 × 132.6 mm
Weight	5.55 ±0.28 kg
Max. Charge / Discharge Rate	0.5C
Impedance (1kHz)	≤0.2 mΩ

PARAMETER	SPECIFICATIONS
PHYSICAL & ENVIRONMENTAL	
Operating Temperature	-20–50°C
Operating Humidity	5%–95% R.H.
Cooling Mode	Natural cooling
IP Rating	IP20
Anticorrosion Grade	Standard C2
Dimensions (W × D × H)	1050 × 1310 × 2340 mm
Weight	2300 kg
HIGH-VOLTAGE BOX	
Protection	Relays, fuses and MCB
Balance	Passive balancing
SOC Accuracy	<5%
Dimensions (W × D × H)	442 × 730 × 180 mm
Weight	23 kg
Power Terminal	Screw fixing
SAFETY, CONTROL & COMMUNICATION	
Firefighting System	Integrated
HMI	LCD touch screen on HV box
Indicators	LED signal
Emergency Stop	EPO button
Communication	CAN, RS485, ETH
Compliance	IEC62619, CE, CE-EMC, UN38.3, MSDS
SCOPE OF SUPPLY	
LiFePO4 Battery Pack	51.2V / 280Ah · 14
Battery Management Unit	Integrated in each pack · 14
High-voltage Box	Includes BCM · 1
HMI	LCD touch screen on HV box · 1
Power Cable	Battery racks to CBMS · 1 set
Communication Cable	Battery module to BMU · 1 set
User Manual	1

**Specifications are subject to change without prior notice.*

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